

# Abstract

A potentiometric sensor device for measuring pH value is provided, which sensor device has two electrodes situated on a substrate and applied with the aid of thick-film technology.

The two electrodes form an interdigital comb structure on the substrate. The interdigital comb structure allows the sensor device to be manufactured without a reference electrode having a glass body, so that the sensor device may easily be used

where the sensor device is subjected to high mechanical loads